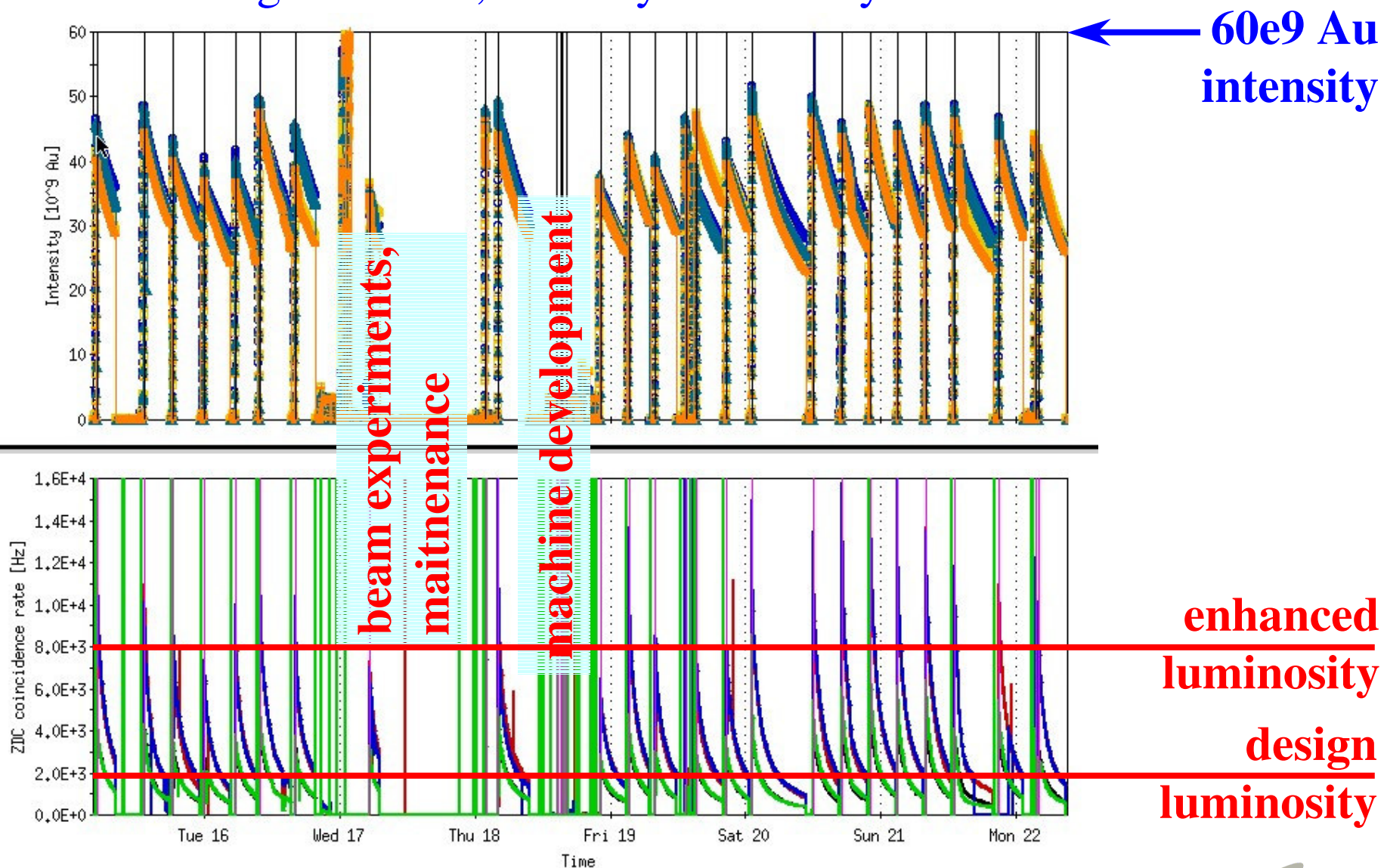


Problems last week:

- PHOBOS background
(slowly deteriorating, almost all stores affected)
- Low bunch intensity
(improved after Si ended)

Stores during last week, Monday to Monday



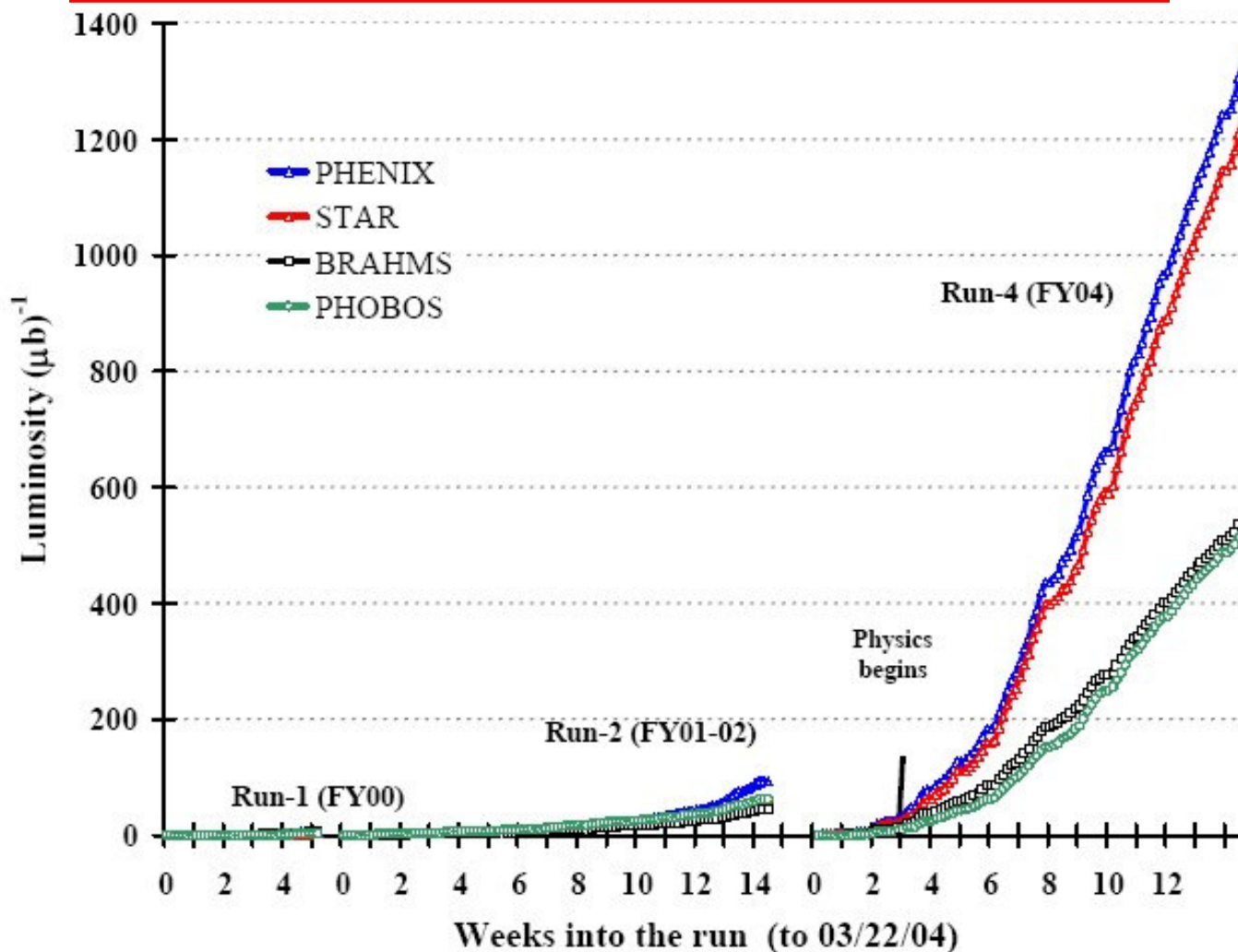
Delivered $1336 (\mu\text{b})^{-1}$ to Phenix [week ago : 1196]
140 $(\mu\text{b})^{-1}$ last week [best week: 158]

As of 03/21/04 24:00

Star $\times 0.9$

Phobos $\times 0.3$

Brahms $\times 0.4$



maximum
projection

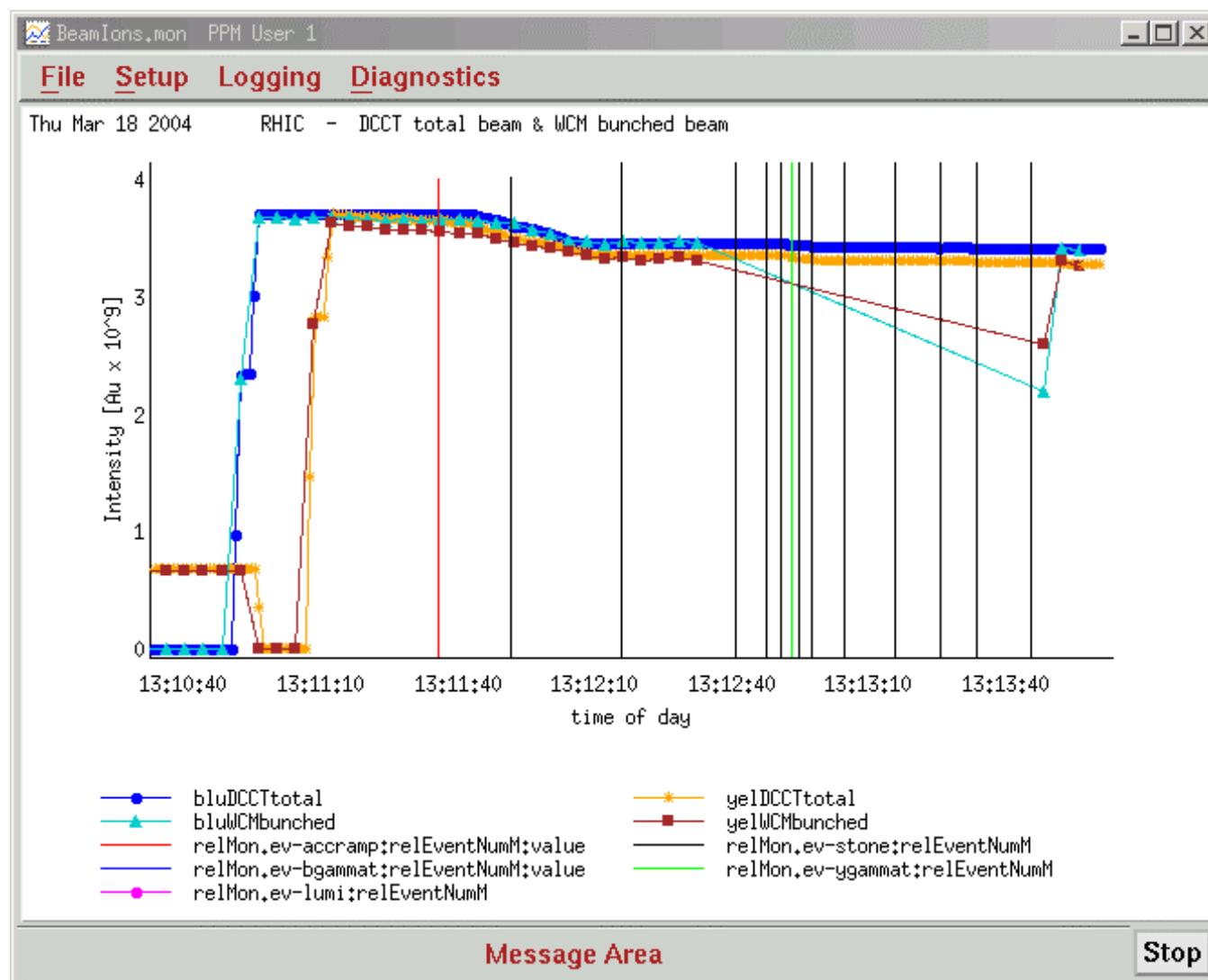
physics target

minimum
projection

Some statistics (week 15-Mar to 21-Mar), maintenance week

- No of stores : 22
Time in store : 103hrs (61% of calendar time)
- Average store time : 4.7hrs
- Av. store-to-store time : **1.1hrs** (ex beam exp. & maintenance)
Rms store-to-store time: 1.2hrs
- Optimum store length : 2.3hrs (for zero detector turn-on time)

best week so far

1st ramp to 31.2 GeV/u successful

J. van Zeijts
G. Ganetis
A. Marusic
M. Bai

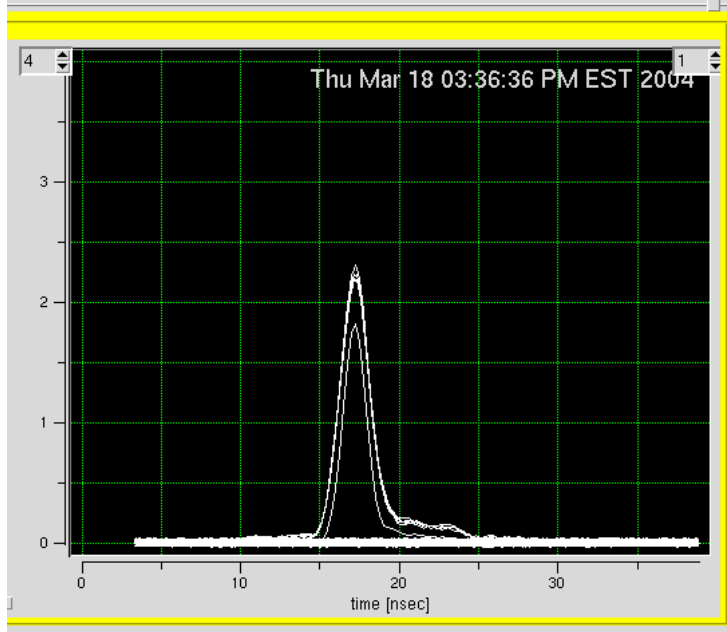
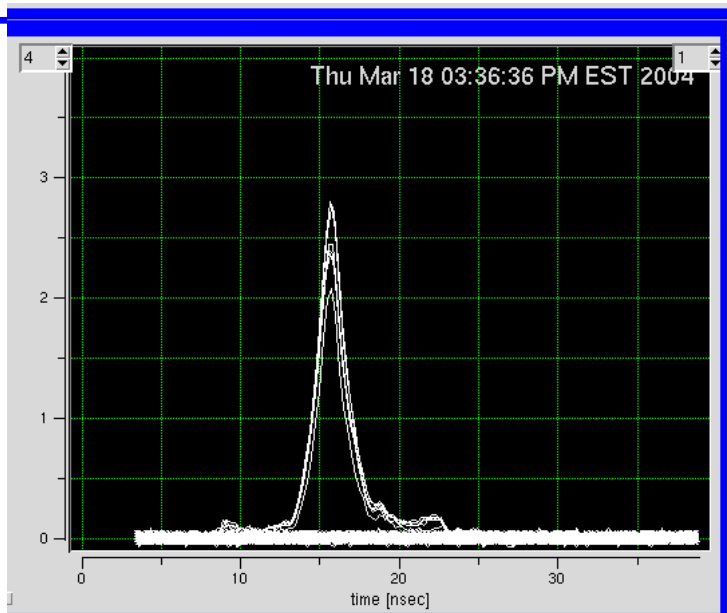
RHIC Run-4

Set-up for 62.4 GeV/u cm energy

Beam rebucketed at lower energy

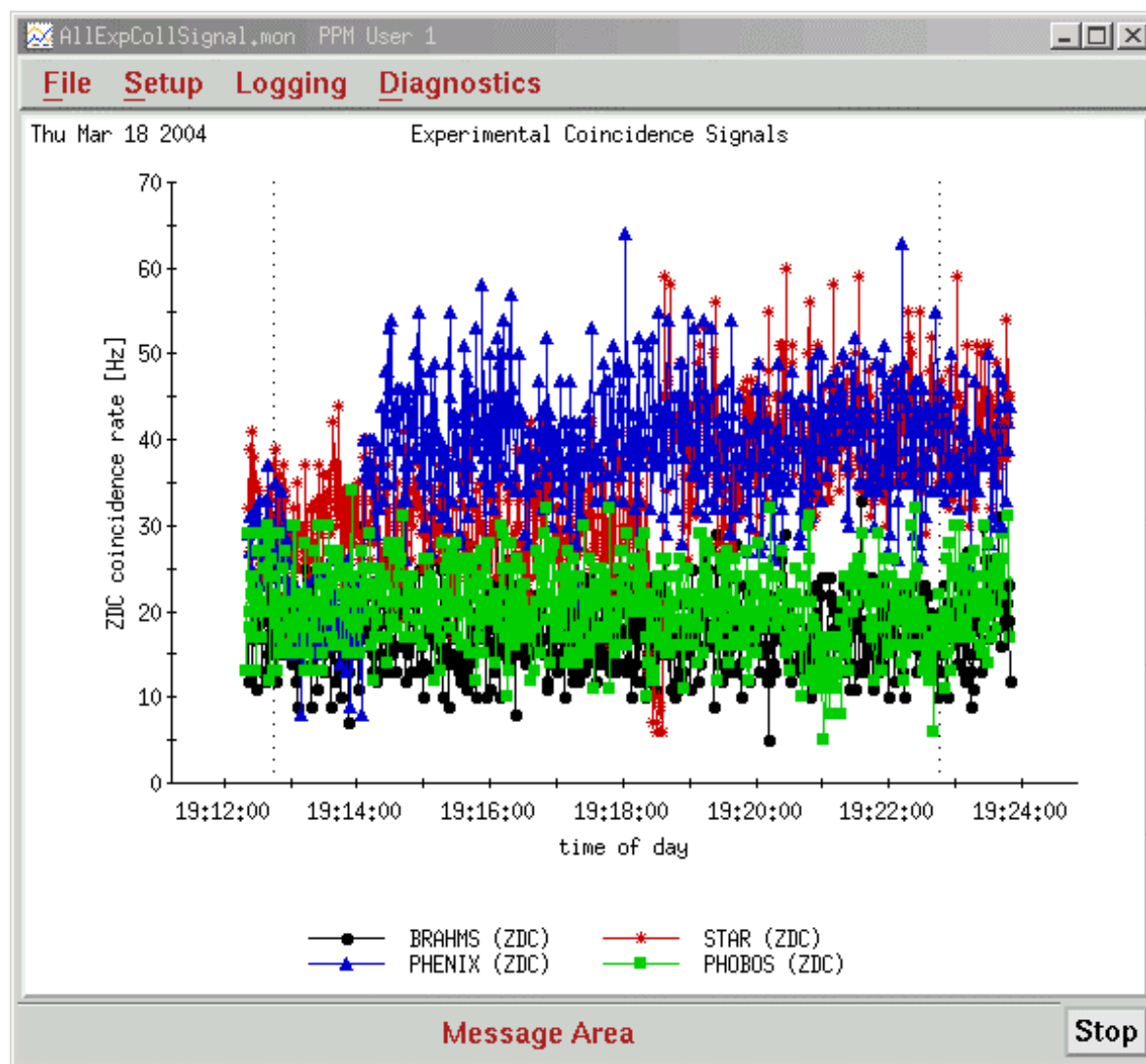
M. Brennan
M. Blaskiewicz
J. Butler

...



Wolfram Fischer

About 50 Hz ZDC rates (gains not adjusted, 23 bunches/ring)



T. Satogata
J. van Zeijts

- Vacuum problem at PHOBOS (emerging problem at STAR) at current luminosity
- Will get worse with more luminosity
- Need order of magnitude more luminosity in pp
- Priority:
 - Common beam pipes (experiments, IR12, IR4)
 - Incoming warm pipes near experiments
 - Other warm pipes

- PHOBOS

Dick Hseuh

- NEG coating of beryllium pipes, stainless steel
- Possibly solenoids at end of beryllium

- STAR

- NEG coat stainless steel pipes, Al sleeves

- BRAHMS

- NEG coat stainless steel pipes, Al sleeves

- PHENIX

- Large manpower requirement
- May be next shut-down